


PATENT

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Michael A. Jaskolski, Reg. No. 37,551

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: David W. Farchmin, et al

Client Docket No. 03AB049

Serial No.:

Filing Date: Herewith

Title: Location Based Material Handling And Processing

Art Unit:

Examiner:

Atty Docket: 110003.00027

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INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 CFR 1.97

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Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The following are submitted in the above-identified application in compliance with 37 CFR 1.97 and 1.98:

- ☒ A list of documents on form PTO-1449 together with copies of each identified document;
- ☐ A translation or a concise explanation of each non English language document is enclosed herewith.

This paper is submitted in accordance with:

- ☒ 37 CFR 1.97(b) [within 3 months of filing or prior to 1<sup>st</sup> Office Action]
- ☐ 37 CFR 1.97(c) [before Final Office Action or Notice of Allowance]; and
- ☐ The required certification made under the heading "Certification" below;  
or

☐ The \$\_\_\_\_\_ fee specified in 37 CFR §1.17(p) for submission of this Information Disclosure Statement is authorized under the heading "Authorization to Charge Fees" below.

☐ 37 CFR §1.97(d) [before issue fee payment]; and

a) This is a petition for consideration of the subject Information Disclosure Statement. The petition fee \$\_\_\_\_\_ required by 37 CFR 1.17(i)(1) is authorized under the heading "Authorization to Charge Fees." (Direct this letter to "Attention PETITIONS EXAMINER" and if applicable include batch locator information: e.g. "Allowed Files, Batch \_\_\_\_\_, Date of Allowance \_\_\_\_\_"), and

b) The required Certification is stated under the heading "Certification" below.

☐ Certification

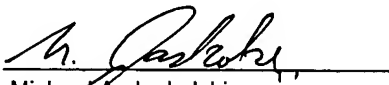
☐ Each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or

☐ No item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this document after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing of this Statement.

☒ Authorization to Charge Fees

Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account 17-0055.

Respectfully submitted,  
DAVID W. FARCHMIN, ET AL

By:   
Michael A. Jaskolski  
Attorney for Applicant  
Reg No.: 37,551  
Quarles & Brady LLP  
411 East Wisconsin Avenue  
Milwaukee, WI 53202

Substitute for form 1449A/PTO

*(use as many sheets as necessary)*

Sheet 1 of 4

**Complete if Known**

Application Number

Filing Date

Herewith

**First Named Inventor**

**David W. Farchmin**

Group Art Unit

Examiner Name

Attorney Docket Number.

110003.00027.03AB047

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (If known)			
	1	4,728,959		Maloney et al	Mar. 1, 1988	
	2	5,119,104		Heller	Jun. 2, 1992	
	3	6,026,304		Hilsenrath et al	Feb. 15, 2000	
	4	20010003443		Velazquez et al	Jun. 14, 2001	
	5	6,252,867		Pfeil et al	Jun. 26, 2001	
	6	20010021182		Wakutsu	Sep. 13, 2001	
	7	6,347,229		Zelmanovich et al	Feb. 12, 2002	
	8	20020051430		Kasami et al	May 2, 2002	
	9	6,407,719		Ohira et al	Jun. 18, 2002	
	10	5,991,284		Willenegger et al	Nov. 23, 1999	
	11	20020102995		Zelmanovich et al	Aug. 1, 2002	
	12	20020118655		Harrington et al	Aug. 29, 2002	
	13	6,437,740		De Champlain et al	Aug. 20, 2002	
	14	5,642,353		Roy, III et al	Jun. 24, 1997	
	15	4,700,197		Milne	Oct. 13, 1987	
	16	6,167,464		Kretschmann	12-26-00	
	17	5,907,491		Canada et al	05-25-99	

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO			<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number		
			Filing Date		
			First Named Inventor		
			Group Art Unit		
			Examiner Name		
Sheet	2	of	3	Attorney Docket Number	110003.00027.03AB049

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	18	5,835,061		Stewart	11-10-98	
	19	6,060,993		Cohen	05-09-00	
	20	5,960,085		de la Huerqa	09-28-99	
	21	4,612,620		Davis, et al.	09-16-86	
	22	6,236,335		Goodwin III	05-22-01	
	23	6,011,487		Plocher	01-04-00	
	24	2001/0024174		Turner	09-27-01	
	25	5,751,221		Stanfield, et al.	05-12-98	
	26	5,627,549		Park	05-06-97	
	27	5,649,300		Snyder et al	07-15-97	
	28	6,362,783		Sugiura et al	03-26-02	
	29	5,287,266		Malec et al	02-15-94	
	30	6,359,711		Cole et al	03-19-02	
	31	6,211,799		Post et al	Apr. 3, 2001	
	32	6,282,455		Engdahl	Aug. 28, 2001	
	33	6,446,004		Cao et al	Sep. 3, 2002	
	34	20020125886		Bates et al	Sep. 12, 2002	
	35	5,544,321		Theimer et al	Aug. 6, 1996	
	36	2003/0011467		Suomela	Jan. 16, 2003	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>				
	4		0 992 921 A2	Lucent Technologies Inc	12.04.2000		
	5		WO 00/50919	Micosoft Corporation	31.08.2000		
	6		WO 02/054813 A1	EKA-Hau Oy	11.07.2002		
	7		WO 02/43428 A1	Tele-Com Italia Lab s.p.	30.05.2002		
	8		WO 01/16607 A2	Cordless Antistatic Resi	08.03.2001		
	9		WO 02/12992 A2	IBM United Kingdom Lir	14.02.2002		
	10		GB 2 365 662	International Business M	20.02.2002		
	11		WO 02/056274 A1	Digital Angel Corporatio	18.07.2002		
	12		WO 00/17737	Kemink et al	30.03.00		
	13		WO 01/82032 A2	Baker, Richard A.	01.11.2001		

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	
				Filing Date	Herewith
				First Named Inventor	David W. Farchmin
				Group Art Unit	
				Examiner Name	
Sheet	3	of	3	Attorney Docket Number	110003.00027.03AB049

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	A Statistical Modeling Approach to Location Estimation; IEEE Transactions on Mobile Computing; Vol. 1, No. 1, Jan-Mar 2002; pg. 59-69; Roos, et al	
	2	A Probabilistic Approach to WLAN User Location Estimation; International Journal of Wireless Information Networks, Vol. 9, No. 3, pg. 155-164; Roos, et al.	
	3	A Statistical Modeling Approach To Location Estimation; Master's Thesis, Univ. of Helsinki, Department of Computer Science, May 5, 2001, Teemu Tonteri	
	4	An Indoors Wireless Positioning System Based On Wireless Local Area Network Infrastructure; SatNav 2003, 6th Intl. Symposium on Satellite Navation; Melbourne	
		Australia; Wang et al; 13 pages; July 22-25, 2003	

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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### Complete if Known

Application Number	
Filing Date	Herewith
First Named Inventor	David W. Farchmin
Art Unit	
Examiner Name	
Attorney Docket Number	110003.00027.03AB049

Sheet 4 of 4

### U. S. PATENT DOCUMENTS

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		Number-Kind Code <sup>2</sup> (if known)			
	373	US- 6,167,464	12-26-00	Kretschmann	
	38	US- 5,907,491	05-25-99	Canada et al	
	39	US- 2002/0030094 A1	03-14-02	Curry et al	
	40	US- 2002/0167417 A1	11-14-02	Wells, II et al	
	41	US- 2002/0058499 A1	05-16-02	Ortiz	
	42	US- 5,202,929	04-13-93	Lemelson	
	43	US- 5,548,660	08-20-96	Lemelson	
	44	US- 2001/0018349	08-30-01	Kinnunen et al	
	45	US- 5,485,634	01-16-96	Weiser et al	
	46	US- 5,910,799	06-08-99	Carpenter et al	
	47	US- 5,552,806	09-03-96	Lenchik	
	48	US- 2002/0161633 A1	10-31-02	Jacob et al	
	49	US- 5,555,376	09-10-96	Theimer et al	
	50	US- 5,642,303	06-24-97	Small et al	
	51	US- 2002/0007407 A1	01-17-02	Klein	
	52	US- 4,598,275	07-01-86	Ross et al	
	53	US- 2002/0123325 A1	09-05-02	Cooper	
	54	US- 6,496,775 B2	12-17-02	McDonald, Jr. et al	
	55	US- 6,611,755 B1	08-26-03	Coffee et al	

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	14	WO 02/05107 A1	17.01.2002	Swales, Andrew		
	15	EP 0 801 342 B1	08.01.2003	Carpenter, et al		
	16	EP 0 626 635 A2	30.11.94	Palrang et al		
	17	WO 02/13557 A1	14.02.2002	Keller, et al		
	18	WO 01/41546 A2	14.06.2001	Brumitt et al		

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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